HW-E550
HW-E551

Crystal Surround Air Track

(Active Speaker System)

user manual

imagine the possibilities

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features

HDMI

HDMI transmits video and audio signals simultaneously, and provides a clearer picture.

The unit is also equipped the ARC function which lets you listen to sound from your TV via an HDMI cable through the Crystal Surround Air Track. This function is only available if you connect the unit to an ARC compliant TV.

3D Depth Sound

The 3D sound feature adds depth and spaciousness to your listening experience.

Wireless Subwoofer

Samsung's wireless module does away with cables running between the main unit and the subwoofer.

Instead, the subwoofer connects to a compact wireless module that communicates with the main unit.

Special Sound mode

You can select from 7 different sound modes - MUSIC, NEWS, DRAMA, CINEMA, SPORTS, GAME, and OFF (Original Sound) - depending on the type of content you want to enjoy.

Multi-function Remote Control

The supplied remote control can be used to control the TV connected to this unit. (Works only for Samsung TVs)

The remote control has a TV hotkey that enables you to perform various operations with the simple press of a button.

Active Speaker System

This unit features an Active Speaker System that provides high sound quality in a single slim unit.

This unit does not require any satellite loudspeakers or speaker cabling, which are normally associated with conventional surround sound systems.

USB Host support

You can connect and play music files from external USB storage devices such as MP3 players,
USB flash memory, etc. using the Air Track's USB HOST function.

Bluetooth Function

You can use a Bluetooth device to enjoy music with high quality stereo sound, all without wires!

LICENSE

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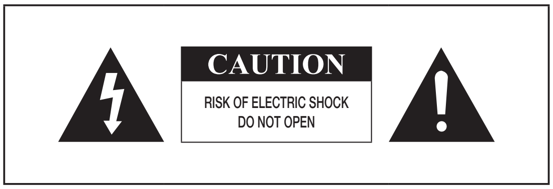
- To send inquiries and requests regarding open sources, contact Samsung via Email (oss.request@samsung.com).
  - This product uses some software programs which are distributed under the Independent JPEG Group.

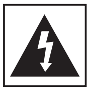
safety information

SAFETY WARNINGS

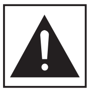
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK).

NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.





This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

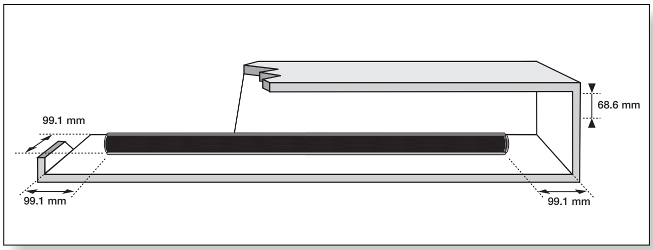
CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

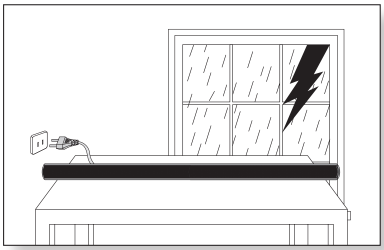
CAUTION

- Do not expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases on the apparatus.
- To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

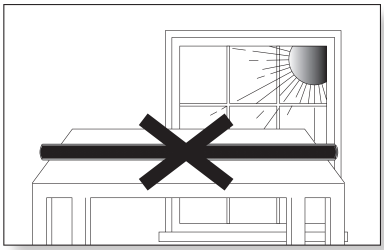
PRECAUTIONS



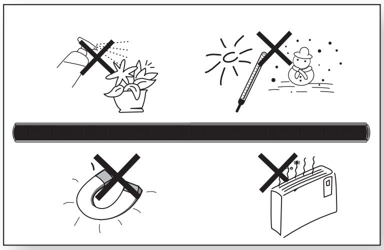
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your product. Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (76~102 mm). Make sure the ventilation slots are not covered. Do not place the unit on amplifiers or other equipment which may become hot. This unit is designed for continuous use. To fully turn off the unit, disconnect the AC plug from the wall outlet. Unplug the unit if you intend to leave it unused for a long period of time.



During thunderstorms, disconnect the AC plug from the
wall outlet. Voltage peaks due to lightning could damage the unit.

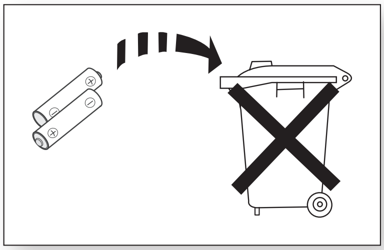


Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.



Protect the product from moisture (i.e. vases) , and excess heat (e.g.fireplace) or equipment creating strong magnetic or electric fields Disconnect the power cable from the AC supply if the unit malfunctions. Your product is not intended for industrial use. Use of this product is for personal use only.

Condensation may occur if your product has been stored in cold temperatures. If transporting the unit during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The batteries used with this product contain chemicals that are harmful to the environment.
Do not dispose of batteries in the general household trash.

contents

FEATURES 2
2 Features
2 License

SAFETY INFORMATION 3
3 Safety warnings
4 Precautions

GETTING STARTED 6
6 Before reading the user’s manual
7 What’s included

DESCRIPTIONS 8
8 Front/Rear Panel
9 Subwoofer Front/Rear Panel

REMOTE CONTROL 10
10 Tour of the remote control

CONNECTIONS 11
11 Air Track Installation Overview
11 Connecting the Speakers (Type 3 and 4)
12 Installing the Speakers on the Standing Table
13 Installing the Speakers on the Stand
14 Assembled Speaker Wall Mount
15 Separated Speaker Wall Mount
16 Connecting the Wireless Subwoofer
17 Attaching the toroidal ferrite core to the power cord of the subwoofer
17 Installing toroidal ferrite to subwoofer
18 Connecting the Crystal Surround Air Track

FUNCTIONS 20
20 Basic functions
21 Advanced functions
27 Software upgrade

TROUBLESHOOTING 28
28 Troubleshooting

APPENDIX 29
29 Specifications

getting started

BEFORE READING THE USER'S MANUAL

Note the following terms before reading the user manual.

Icons used in this manual

Icon	Term	Definition
!	**Caution**	Indicates a situation where a function does not operate or settings may be canceled.
✎	**Note**	Indicates tips or instructions on the page that help each function operate.

Safety Instructions and Troubleshooting

1) Be sure to be familiar with the Safety Instructions before using this product. (See page 3)
2) If a problem occurs, check Troubleshooting. (See page 28)

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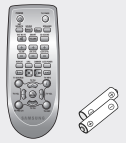
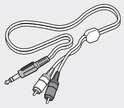
WHAT'S INCLUDED

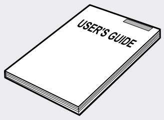
Check for the supplied accessories shown below.



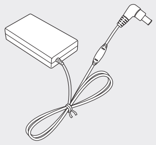
Remote Control / Batteries (AAA size)



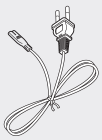
Audio Cable


USER'S GUIDE

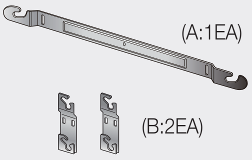
User Manual



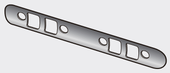
Adapter



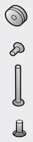
Power Cord



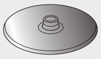
Bracket-Wall Mount



Bracket-Bridge

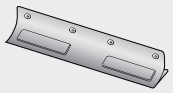

(Holder-screw:6EA)
(Screw:6EA)
(Screw:4EA)
(Screw:2EA)

Screw



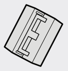
(ASSY STAND :2EA)

Assy Stand

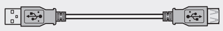


Assystand P-Desk

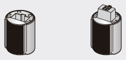
(For Subwoofer power cable 1EA)



Toroidal Ferrite Core



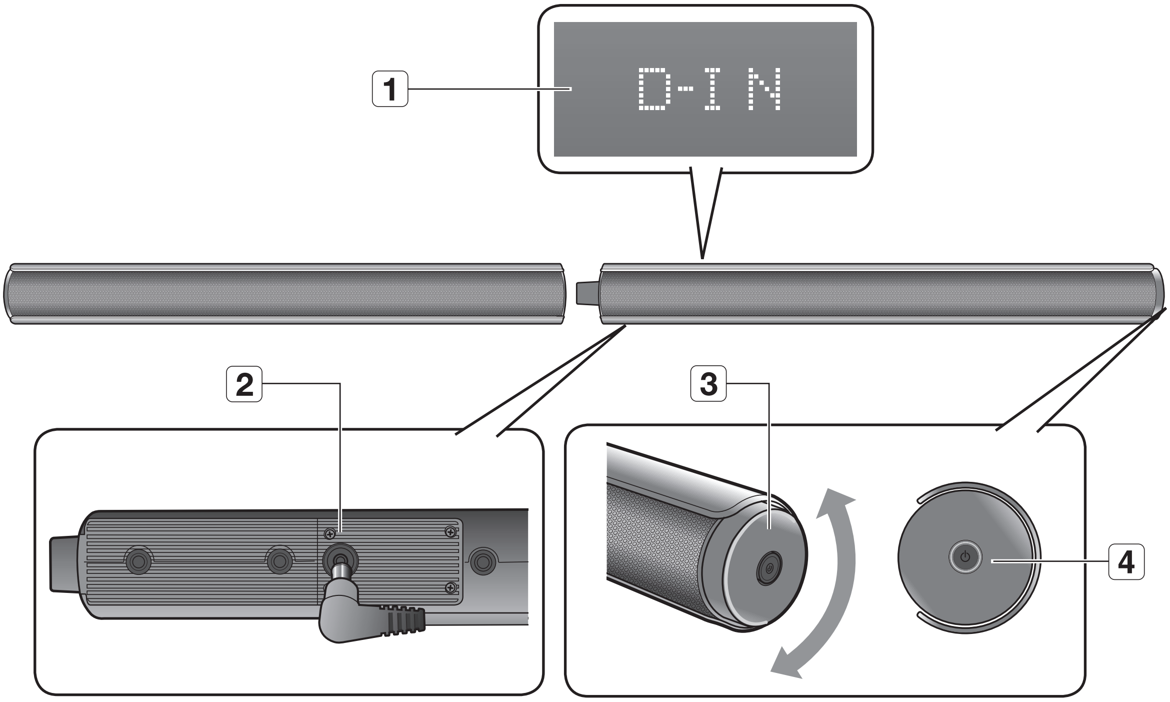
USB Cable


(Speaker)
(Main)

Assy Cover P-Cap

- The appearance of the accessories may differ slightly from the illustrations above.
- Use the dedicated USB cable to connect external USB devices to the unit.

FRONT/REAR PANEL

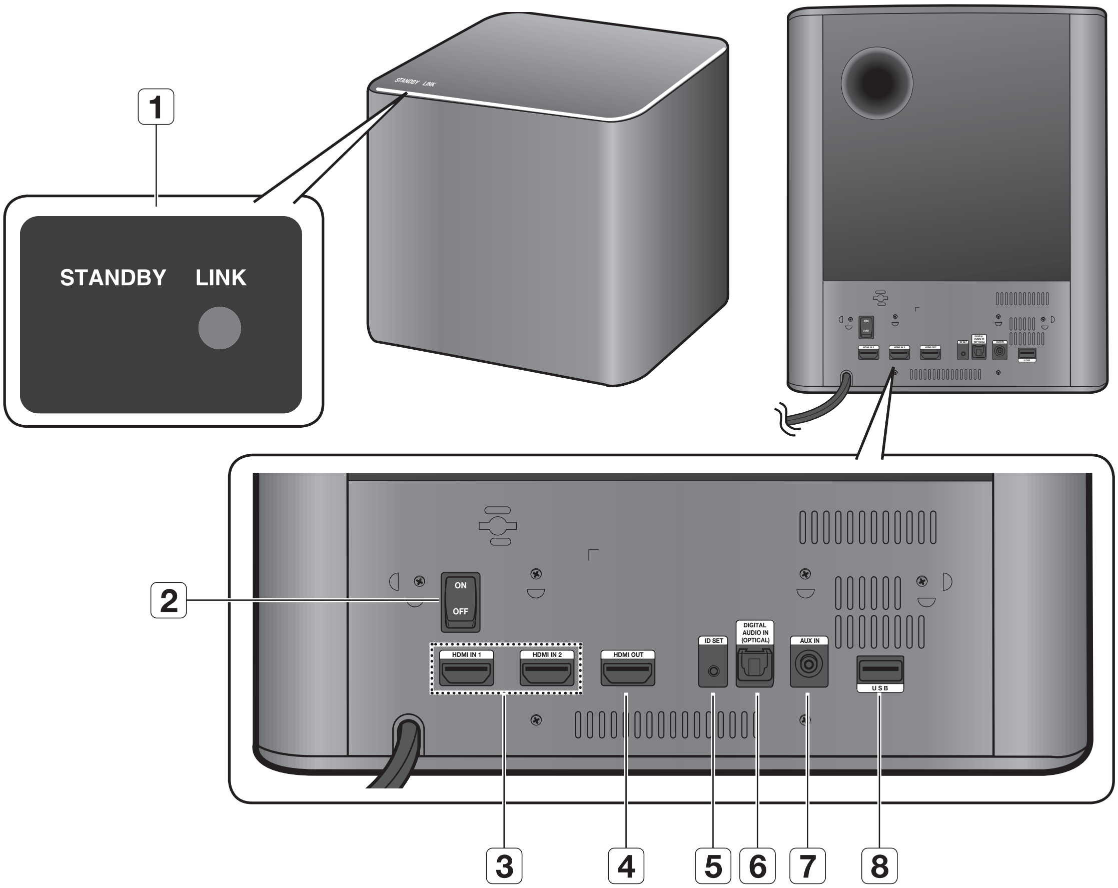


1	**DISPLAY**	Displays the current mode.
2	**POWER SUPPLY JACK**	Plug the power supply cable into the AC wall outlet.
3	**VOLUME BUTTON**	Controls the volume level.
4	**POWER BUTTON**	Turns the Crystal Surround Air Track on and off.

- When you turn on the power of this unit, there will be a 4 to 5 second delay before it produces sound.

- When disconnecting the power cable from the wall outlet, hold the plug.
  Do not pull the cable.
- Do not connect this unit or other components to an AC outlet until all connections between components are complete.

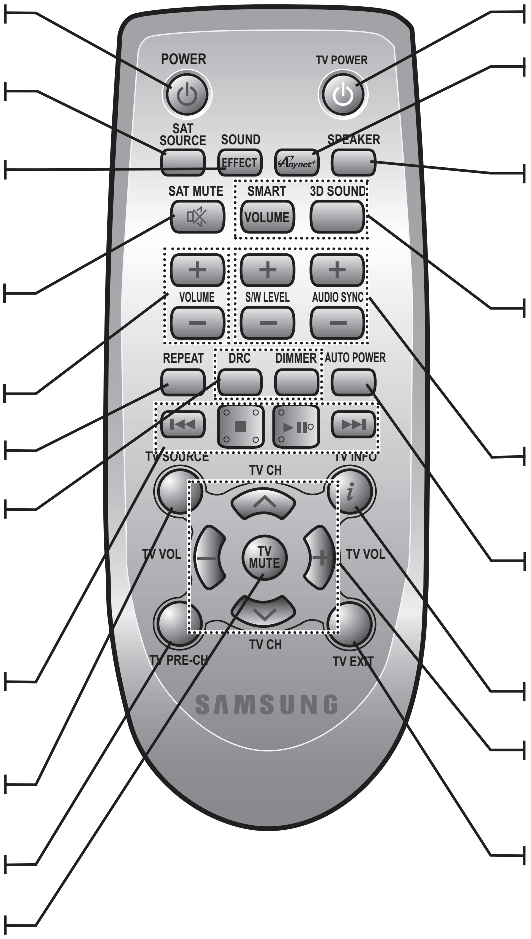
SUBWOOFER FRONT/REAR PANEL


1
STANDBY LINK
STANDBY
LINK
2
ON
OFF
HDMI IN 1
HDMI IN 2
HDMI OUT
ID SET
DIGITAL AUDIO IN (OPTICAL)
AUX IN
USB
3
4
5
6
7
8

1	**LINK INDICATOR**	Displays the current STANDBY or LINK indicator.
2	**POWER SWITCH**	Turns the Wireless Subwoofer on and off.
3	**HDMI IN 1,2 JACK**	Receives digital video and audio signals simultaneously using an HDMI cable.
4	**HDMI OUT JACK**	Outputs digital video and audio signals simultaneously using an HDMI cable.
5	**ID SET BUTTON**	Used to link the subwoofer to the main unit.
6	**DIGITAL AUDIO IN**	Connect to the digital (optical) output of an external device.
7	**AUX IN**	Connect to the Analog output of an external device.
8	**USB PORT**	Connect here and play files from external USB storage devices such as MP3 players.

remote control

TOUR OF THE REMOTE CONTROL



POWER BUTTON

Turns the Crystal Surround Air Track on and off.

SAT SOURCE

Press to select a connected SAT source. (SAT:Surround Air Track)

SOUND EFFECT

Selects the Sound Effect: (MUSIC, NEWS, DRAMA, CINEMA, SPORTS, GAME, OFF (Original Sound))

SAT MUTE

Mutes the sound from the unit. Press again to restore the sound to the previous volume level.

VOLUME

Adjusts the volume level of the unit.

REPEAT

Select Repeat File, All, Random.

DRC, DIMMER

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night (Standard, MAX, MIN).
You can control the brightness of the Display.

CONTROL BUTTON

Play, pause or stop playing a Music file, or search for the Music file next or back.

TV SOURCE

Press to select a connected TV's video source.

TV PRE-CH

Moves to the previous TV channel

TV MUTE

Mutes the sound from the TV. Press again to restore the sound to the previous volume level.

TV POWER BUTTON

Turns your Samsung TV on and off.

Anynet+

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control.

SPEAKER

This button allows you to choose to listen to audio from the Air track or your TV. (This function supports the via an HDMI cable.)

SMART VOLUME, 3D SOUND

Regulates and stabilizes the volume level against a drastic volume change.
This feature adds depth and spaciousness to the sound.

S/W LEVEL, AUDIO SYNC

Adjusts the Subwoofer level.
Used to help sync video to audio when connected to a digital TV.

AUTO POWER

Synchronizes the Air Track to Optical connection via the Optical jack so it turns on automatically when you turn on your TV.

TV INFO

Display current TV status.

TV CHANNEL, TV VOLUME

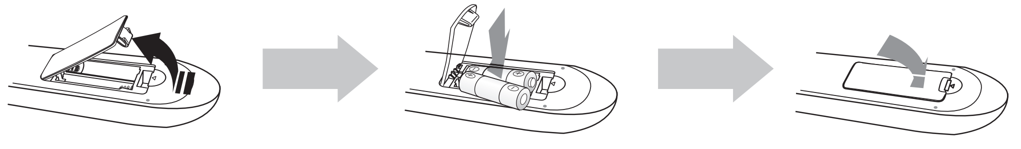
Switches between the available TV channels.
Adjusts the TV volume level.

TV EXIT

Exits TV (functions same as the EXIT button of the TV remote control)

- SAT stands for Surround Air Track, which is a Samsung's proprietary name.
- The remote control can operate TVs made by SAMSUNG only.
- Depending on the TV you are using, you may not be able to operate your TV with this remote control. If you can't, operate the TV using the TV's remote control.

Installing batteries in the Remote Control



1. Lift the cover at the back of the remote control upward as shown.
2. Install two AAA size batteries.
   Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.
3. Replace the cover.
   Assuming typical TV usage, the batteries last for about one year.

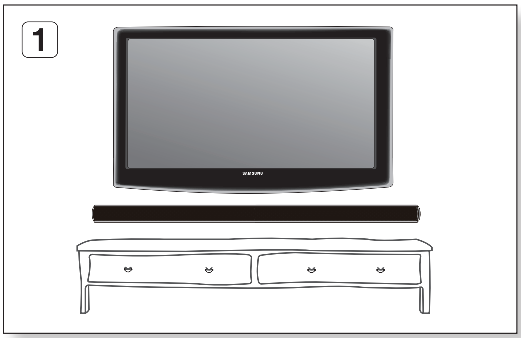
Operation Range of the Remote Control

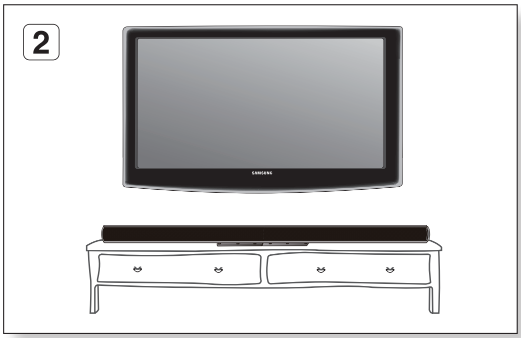
The remote control can be used up to approximately 23 feet (7 meters) in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.

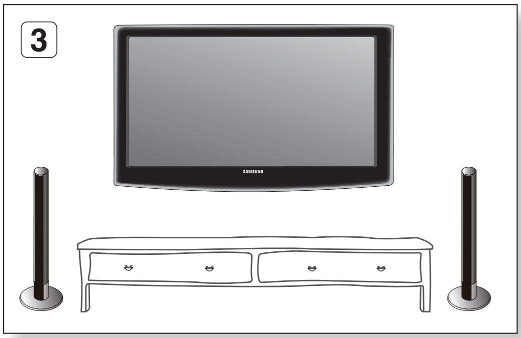
connections

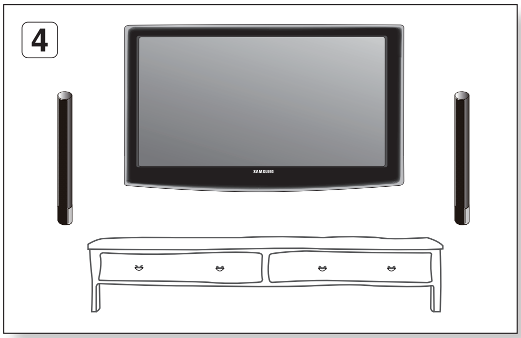
AIR TRACK INSTALLATION OVERVIEW

You can choose installation from 4 typical setups.



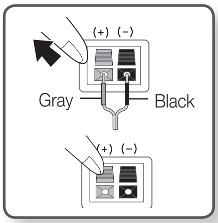


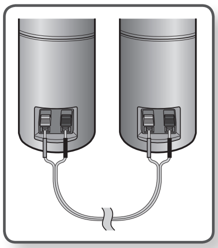




CONNECTING THE SPEAKERS (TYPE 3 AND 4)

1. Installation type 3 and 4 require cabling to the cradle’s terminal tabs.
2. Press down the terminal tab on the back/bottom of the cradle.
3. Insert the black wire into the black terminal (–) and the gray wire into the gray (+) terminal, and then release the tab.
4. Connect the speaker wire plugs to the back/bottom of the cradle by matching the colors of the speaker plugs to the speaker jacks.
5. Turn on the product.
   Separately installed satellite speakers produce sound.





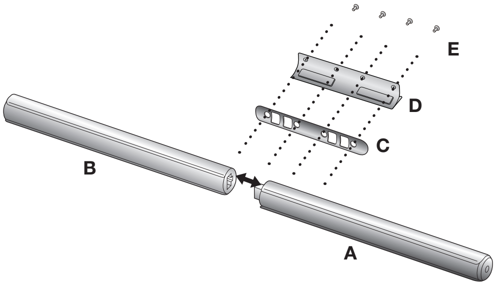
INSTALLING THE SPEAKERS ON THE STANDING TABLE

You can use the standing table to install this unit on a shelf. Make sure you place the unit on a flat surface.

Connecting

- To secure the MAIN SET with Standing Table, follow instructions below in order to assemble it.

1. Assemble the MAIN SET **A** and **B**.
2. Attach **C**, **D** to the rear side of connected **A** and **B**. Check the screw holes in the rear of the MAIN SET before tightening screw **E**.



A	MAIN SET (RIGHT)
B	SPEAKER (LEFT)
C	BRACKET-BRIDGE
D	ASSYSTAND P-DESK
E	SCREW

- Check whether it is installed on a flat and stable position, not to fall. If the unit falls off, it may cause an injury or damage to the product.

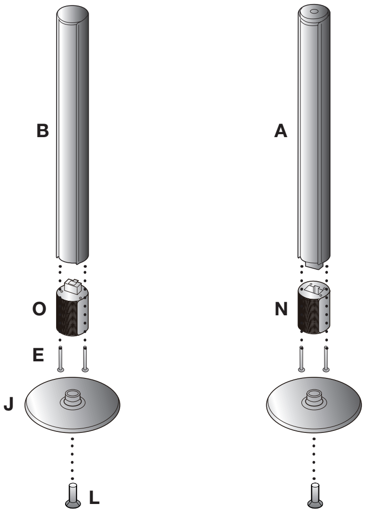
INSTALLING THE SPEAKERS ON THE STAND

Separated speakers can be installed on your desired spot individually.

Connecting

- Check both MAIN SET (RIGHT), speaker (LEFT) speaker units.

1. Check pairs of separated MAIN SET **A**, **B** and cradles **N**, **O**/ **J**.
2. Insert **N** and **O** vertically in the MAIN SET **A** and **B**, respectively. Then, tighten screw **E** to the end of the hole.
3. When done, insert **J** into the respective speaker assembly. Use screw **L** to tighten each bottom component as shown.
    - Fit each of ASSY STAND and ASSY COVER P-CAP SPK into the corresponding hole before tightening it.
    - For separate type installations, two speakers require cabling to the cradles' terminal tabs.



A	MAIN SET (RIGHT)
B	SPEAKER (LEFT)
N	ASSY COVER P-CAP MAIN
O	ASSY COVER P-CAP SPK
J	ASSY STAND
E	SCREW
L	SCREW

- Arrange the cables through the terminal tabs in the rear of the base plate’s cradle.
- To separate the speaker unit, pull it vertically.

ASSEMBLED SPEAKER WALL MOUNT

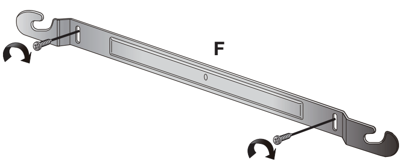
You can use the wall mount bracket to mount this unit on a wall.

Installation Precautions

- Install on a vertical wall only.
- For the installation, avoid a location with high temperature or humidity, or wall that cannot sustain the weight of the set.
- Check the strength of the wall. If the strength of the wall is insufficient for the product installation, make sure to reinforce the wall before the installation.
- Check the material of the wall. If the wall is made of plaster board, marble, or iron board, purchase and use the appropriate fixing screws or mollys.
- Connect cables from the unit to external devices before you install it on the wall.
- Make sure the unit is turned off and unplugged before you install it. Otherwise, it may cause an electric shock.

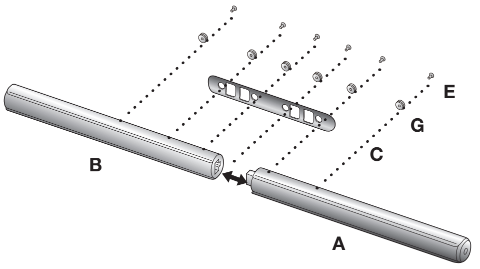
A	MAIN SET (RIGHT)
B	SPEAKER (LEFT)
C	BRACKET-BRIDGE
G	HOLDER-SCREW
E	SCREW
F	HOLDER-WALL-HORIZONTAL

1. Place the **F** on a wall surface and then secure it with two screws (not supplied).
   If you are hanging the unit below a TV, be sure to install the **F** so that the arrow (⬆) is placed in the center of the TV. Also make sure the unit is at least two inches (5 cm) below the TV.

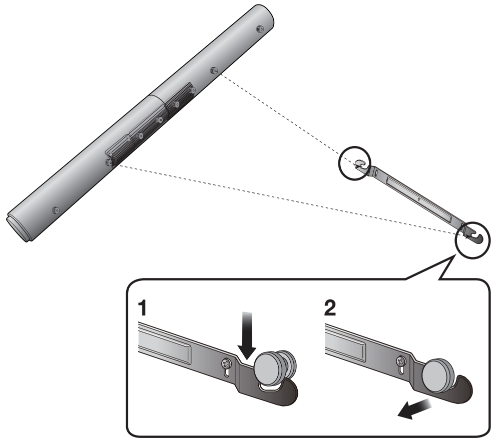


2. Assemble the MAIN SET **A** and **B**.

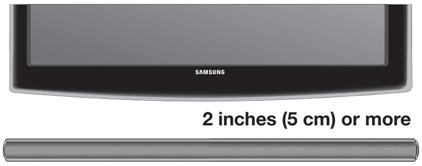
3. Attach **C** to the rear side of connected **A** and **B**.
   Check and align screw holes on the rear side of MAIN SET and **C**, fix screws from **G** to **E**.



4. Then, fit the unit into the corresponding slots of the wall mount bracket. For secure installation, make sure the mounting studs slide firmly down into the bottom of the slots.



5. This is the completion of the suggested wall mount installation.



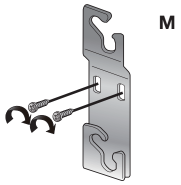
- Do not hang onto the installed unit and avoid any impact to the unit.
- Secure the unit firmly to the wall so that it does not fall off. If the unit falls off, it may cause an injury or damage to the product.
- When the unit is installed on a wall, please make sure that children not pull any of connecting cables, as it may cause it to fall.
- For the optimal performance in a wall mount installation, keep the speaker system at least 2 inches (5 cm) distant from the TV.

SEPARATED SPEAKER WALL MOUNT

You can use the wall mount bracket to mount this unit on a wall.

A	MAIN SET (RIGHT)
B	SPEAKER (LEFT)
D	HOLDER-SCREW
E	SCREW
K	SCREW
M	HOLDER-WALL-VERTICAL
N	ASSY COVER P-CAP MAIN
O	ASSY COVER P-CAP SPK

1. Fix the wall mount bracket on the desired position, with 2 screws (not provided).



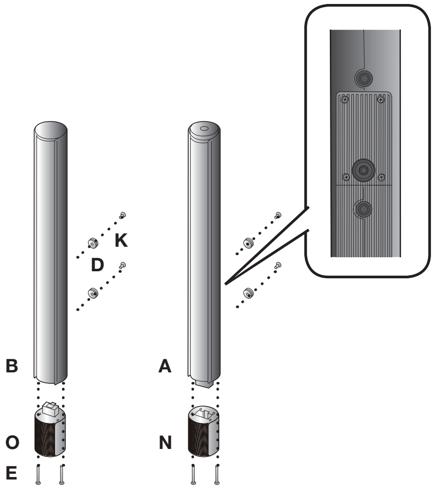
2. Insert **N** and **O** vertically in the MAIN SET **A** and **B**, respectively. Then, tighten screw **E** to the end of the hole.

3. Insert **D** and **K** in this order into each of two center holes (in the rear of each speaker assembly) as shown. Then, tighten it.

- For separate type installations, two speakers require cabling to the cradles' terminal tabs.

4. Then, fit the unit into the corresponding slots of the **M** (Holder wall vertical). For secure installation, make sure the mounting studs slide firmly down into the bottom of the slots.

- Only the top side (part D) can be assembled when installing speakers perpendicularly to the main set.

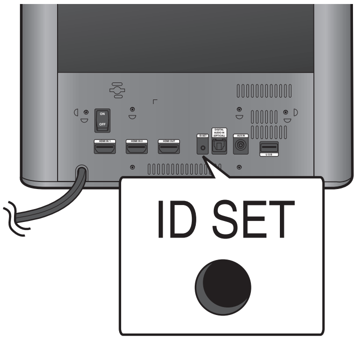


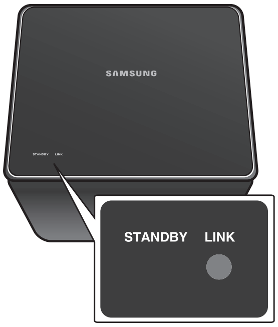
connections

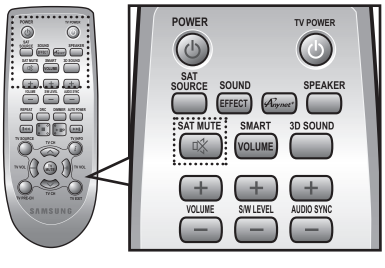
CONNECTING THE WIRELESS SUBWOOFER

The Subwoofer's linking ID is preset at the factory and the main unit and sub should link (connect wirelessly) automatically when main unit is turned on. If the link indicator does not light when main unit and subwoofer are turned on, please set the ID by following the process below.

1. Plug the power cords of the main unit and subwoofer into an AC power supply.
2. Press the **ID SET** button on the back of the subwoofer with a small, pointed object for 5 seconds.
   - The STANDBY indicator is turned off and the LINK indicator (Blue LED) blinks quickly.







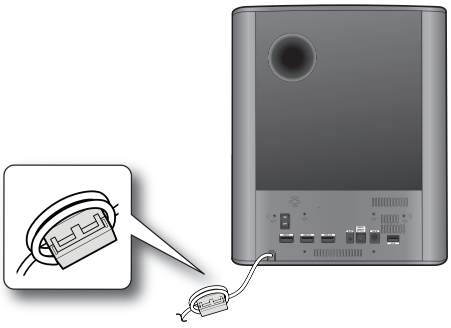
3. While the main unit is powered off (STANDBY mode), press **SAT MUTE** on the remote control for 5 seconds.
4. The **ID SET** message appears on the main unit's DISPLAY.
5. To finalize the link, turn the main unit's power on while the subwoofer's Blue LED blinks.
   - The Link indicator (blue LED) on the subwoofer is turned on.
   - The main unit and the subwoofer are now linked (connected).
   - You can enjoy better sound from the wireless subwoofer by selecting the sound effect. (See page 25)

- Before moving or installing the product, be sure to turn off the power and disconnect the power cord.
- If the main unit is powered off, the wireless subwoofer will be the standby mode and the STANDBY LED and LINK LED on the upper side will come on.
- If you use a device that uses the same frequency (5.2/5.8 GHz) near the system, interference may cause some sound interruption.
- The transmission distance of the wireless signal between the main unit and sub is about 33 ft., but may vary depending on your operating environment. If a steel-concrete or metallic wall is between the main unit and the wireless subwoofer, the system may not operate at all, because the wireless signal cannot penetrate metal.
- If the main unit doesn't make a wireless connection, follow steps 1-5 above to retry the connection between the main unit and wireless subwoofer.

- The wireless receiving antenna is built into the wireless subwoofer. Keep the unit away from water and moisture.
- For optimal listening performance, make sure that the area around the wireless subwoofer location is clear of any obstructions.

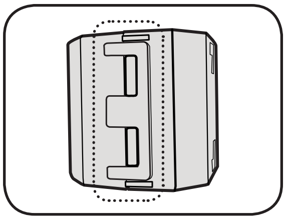
ATTACHING THE TOROIDAL FERRITE CORE TO THE POWER CORD OF THE SUBWOOFER

If you attach a Toroidal ferrite core to the power cord of the Subwoofer, it will help to prevent RF interference from radio signals.

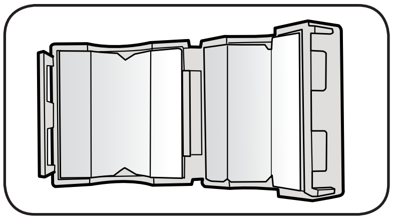


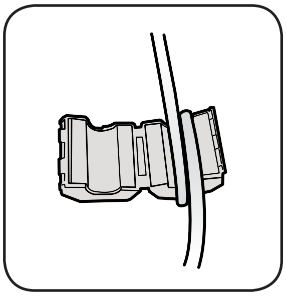
1. Pull the fixing tab of the Toroidal ferrite core to open it.
2. Make two loops in the power cable of the subwoofer.
3. Attach the Toroidal ferrite core to the Subwoofer power cord as the figure shows and press it until it clicks.

INSTALLING TOROIDAL FERRITE TO SUBWOOFER

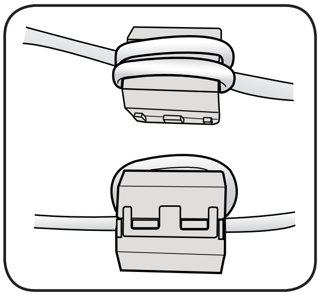


Lift up to release the lock and open the core.





Make two rounds on the coil with the power cable.
(Start winding at 5-10cm away from the switch).

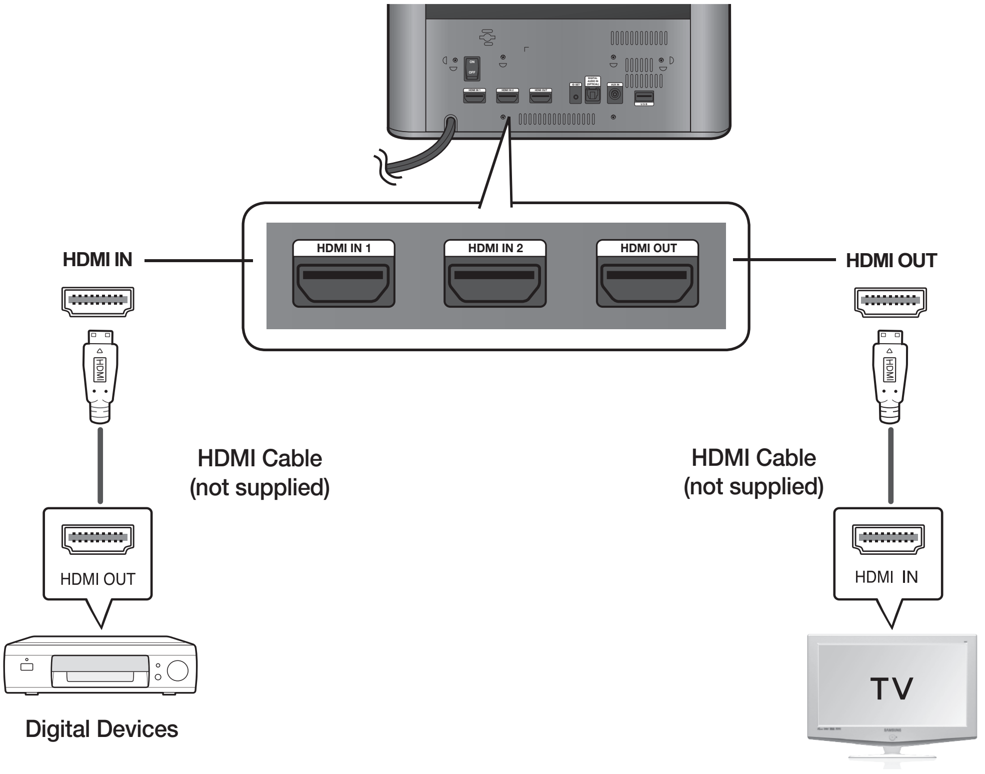


Close the lock back.

CONNECTING THE CRYSTAL SURROUND AIR TRACK

HDMI is a standard digital interface for connection to such devices as a TV, projector, DVD player, Blu-ray player, set top box and more.

HDMI removes any loss of signal from analog conversion, enabling you to enjoy video and audio sound quality as it was originally created in the digital source.


HDMI IN
HDMI IN 1
HDMI IN 2
HDMI OUT
HDMI OUT
HDMI Cable
(not supplied)
HDMI Cable
(not supplied)
HDMI OUT
HDMI IN
Digital Devices
TV

HDMI IN

Connect an HDMI cable (not supplied) from the HDMI IN jack on the back of the subwoofer to the HDMI OUT jack on your digital devices.

and,

HDMI OUT (HDMI)

- Connect an HDMI cable (not supplied) from the HDMI OUT jack on the back of the subwoofer to the HDMI IN jack on your TV.

- HDMI is an interface that enables the digital transmission of video and audio data with just a single connector.

HDMI OUT (ARC)

- The ARC function allows digital audio to input via the HDMI OUT (ARC) port.
  It can be enabled only when the Air Track is connected to a TV that supports the ARC function.
- Anynet+ must be turned on.

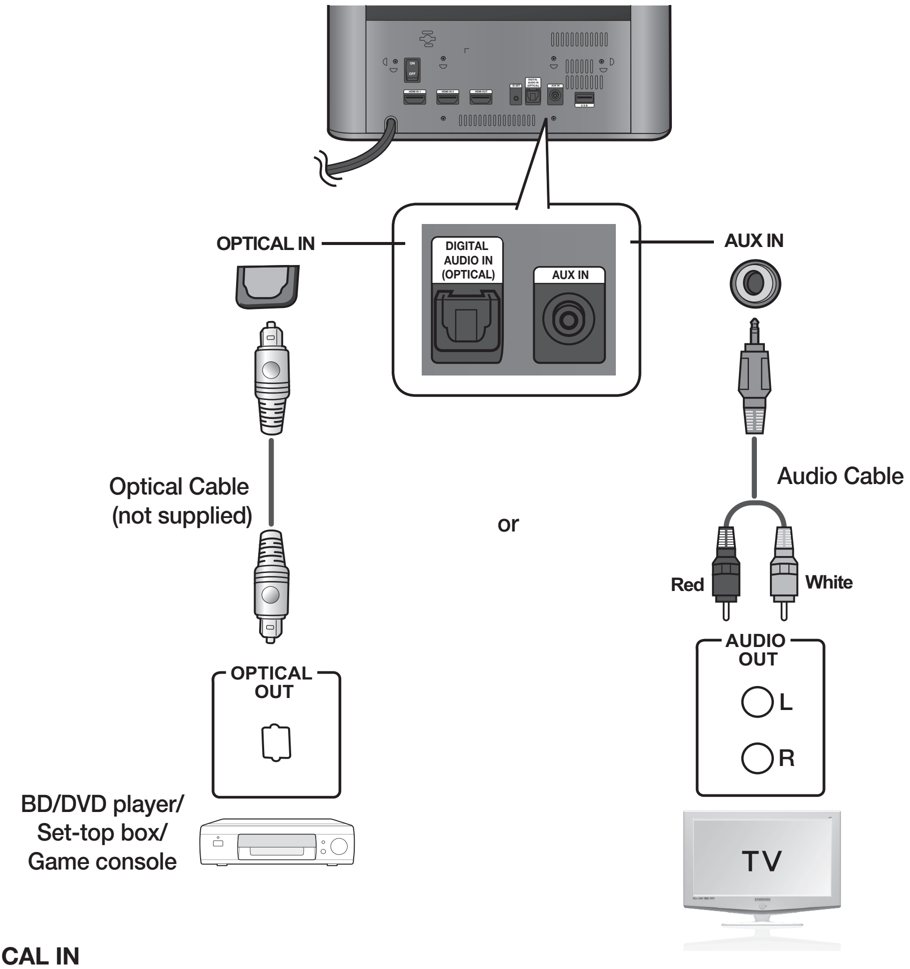
- This function is not available if the HDMI cable does not support CEC.

connections

CONNECTING THE CRYSTAL SURROUND AIR TRACK

This section explains two ways (digital and analog) of connecting the unit to a external devices.

This unit is equipped with one optical digital jack and one audio analog jack for connecting a external devices.


OPTICAL IN
DIGITAL AUDIO IN (OPTICAL)
AUX IN
AUX IN
Optical Cable (not supplied)
or
Audio Cable
Red
White
AUDIO OUT
L
R
OPTICAL OUT
BD/DVD player/ Set-top box/ Game console
TV

OPTICAL IN

Connect the Digital Input on the subwoofer to the OPTICAL OUT of the TV or Source Device.

or,

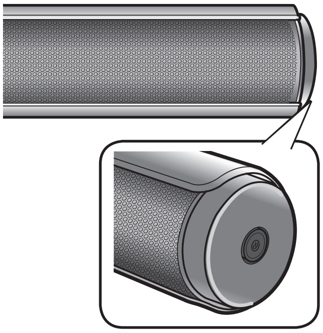
AUX IN

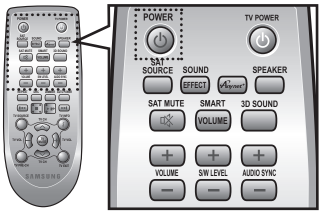
Connect AUX IN (Audio) on the subwoofer to the AUDIO OUT of the TV or Source Device.
Be sure to match connector colors.

- Do not connect the power cord of this product or your TV to the wall outlet until all connections between components are complete.
- Before moving or installing this product, be sure to turn off the power and disconnect the power cord.
- If you select 'AUX' without connecting the Audio Cable, the set is turned off automatically after 20 minutes.
- If a TV or any device connected to Air Track with the optical cable is off and there is no digital input, the Air Track is turned off after 20 minutes. (If there has been no input signal for over 20 minutes from OPTICAL AUDIO IN the Air Track will be turned off.)

functions

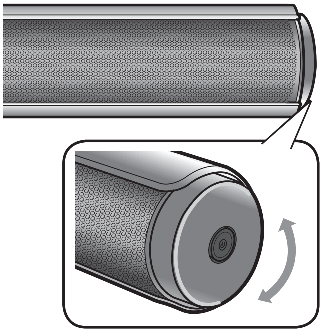
BASIC FUNCTIONS

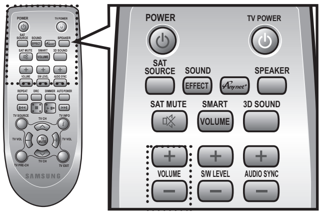



POWER
TV POWER
SAT SOURCE
SOUND EFFECT
SPEAKER
SAT MUTE
SMART VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

Turning the power on/off

1. Press the **POWER** (⏻) button in the right corner.
   or,
   Press **POWER** on the remote control to turn on the power.
2. Press the **POWER** (⏻) button in the right corner.
   or,
   Press **POWER** on the remote control again to turn off the power.




POWER
TV POWER
SAT SOURCE
SOUND EFFECT
SPEAKER
SAT MUTE
SMART VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

Adjusting the volume

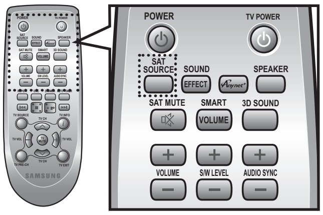
Turn the volume control on the right end of the MAIN SET to adjust volume.

Press **VOLUME +/–** on the remote control to increase or decrease the volume level.

- The numeric value of the volume level appears in the front panel display.

- If you want to enjoy the sound only from the Crystal Surround Air Track, you must turn off the TV's speakers in the Audio Setup menu of your TV. Refer to the owner's manual supplied with your TV.

ADVANCED FUNCTIONS



Using the input mode

You can select either D.IN, AUX, HDMI, BT input or USB input.
Press an appropriate button on the remote control to select a desired mode: D.IN, AUX, HDMI, BT or USB mode.

Input mode	Display
Optical Digital input	D-IN
AUX input	AUX
HDMI input	HDMI-1,HDMI-2
BLUETOOTH mode	BT
USB mode	USB

The unit turns off automatically in the following conditions:

- D-IN Mode: If no input source is entered for 20 minutes.
- AUX Mode: If no cable is inserted in the jack for 20 minutes.
- BT Mode: If no connection is made for 20 minutes.
- USB Mode: If the “NO USB” or “Stop” state lasts for 20 minutes.

- The ARC function is activated in D-IN mode if the unit is connected to an ARC supporting TV.
- To turn off the ARC function, turn Anynet off.

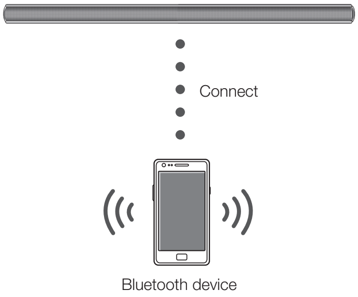
USING BLUETOOTH

You can use a Bluetooth device to enjoy music with high quality stereo sound, all without wires!

What is Bluetooth?

Bluetooth is a technology that enables Bluetooth-compliant devices to easily interconnect with each other using a short wireless connection.

- A Bluetooth device may cause noise or malfunction, depending on usage, when:
  - A part of the body is in contact with the receiving/transmitting system of the Bluetooth device or the Air Track.
  - It is subject to electrical variation from obstructions caused by a wall, corner or office partitioning.
  - It is exposed to electrical interference from same frequency-band devices including medical equipment, microwave ovens and wireless LANs.
- Pair the Air Track with the Bluetooth device while maintaining a close distance.
- The further the distance is between Air Track and Bluetooth device, the worse the quality is. If the distance exceeds the Bluetooth operational range, the connection is lost.
- In poor reception-sensitivity areas, the Bluetooth connection may not work properly.
- The Bluetooth connection only works when it is close to the set. The connection will be automatically cut off if the distance is out of this range. Even within this range, the sound quality may be degraded by obstacles such as walls or doors.
- This wireless device may cause electric interference during its operation.



To connect the Air Track to a Bluetooth device

Check if the Bluetooth device supports the Bluetooth Space here compliant stereo headset function.

1. Press the **SAT SOURCE** button on the remote control of AirTrack to display the **BT** message.

- You will see **WAIT** for 4 seconds and then **READY** on the front display of the Air Track.

2. Select the Bluetooth menu on the Bluetooth device you want to connect. (refer to the Bluetooth device's user manual)

3. Select the Stereo headset menu on the Bluetooth device.

- You will see a list of scanned devices.

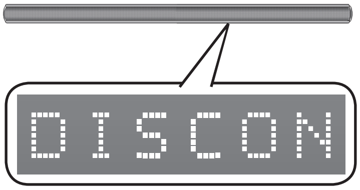
4. Select "**[AirTrack] E550**" from the searched list.

- When the Air Track is connected to the Bluetooth device, the device name of the connected Bluetooth device, followed by Air Track will display **CONN** on the front display.
- If the Bluetooth device has failed to be paired with Air Track, delete the previous “[AirTrack] E550” found by the Bluetooth device and make it search for Air Track again.

5. Play music on the connected device.

- You can listen to the music playing on the connected Bluetooth device over the Crystal Surround Air Track system.
- In BT mode, Play/Repeat/Stop/Next/Back functions are not available.

- You may be required to enter a PIN code (password) when connecting the Bluetooth device to the Air Track. If the PIN code input window appears, enter <0000>.
- The Air Track only supports Middle Quality SBC data (up to 237kbps@48kHz), and does not support High Quality SBC data (328kbps@44.1kHz).
- The AVRCP feature is not supported.
- Connect only to a Bluetooth device that supports the A2DP (AV) function.
- You cannot connect to a Bluetooth device that supports only the HF Space here (Hands Free) function.
- Only one Bluetooth device can be paired at a time.
- Once you have turned off Air Track and the pairing is disconnected, the pairing will not be restored automatically. To reconnect, you must pair the device again.
- Search or connection may not be performed properly by Air Track in the following cases:
  - If there is a strong electrical field around Air Track.
  - If several Bluetooth devices are simultaneously paired with AirTrack
  - If the Bluetooth device is turned off, not in place, or malfunctions
  - Note that such devices as microwave ovens, wireless LAN adaptors, fluorescent lights, and gas stoves use the same frequency range as the Bluetooth device, which can cause electric interference.



To disconnect the Bluetooth device from Air Track

You can disconnect the Bluetooth device from Air Track. For instructions, see the Bluetooth device's user manual.

- Air Track will be disconnected.
- When Air Track is disconnected from the Bluetooth device, Air Track will display **DISCON** on the front display.

To disconnect Air Track from the Bluetooth device

Press the **SAT SOURCE** button of remote control to switch from **BT** to another mode or turn off Air Track.

- The connected Bluetooth device will wait a certain time for a response from Air Track before terminating the connection.
  (Disconnection time may differ, depending on the Bluetooth device)
- The currently connected device will be disconnected.

- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Air Track and the Bluetooth device exceeds (10 meters). If the distance between returns to the effective range or you restart the Bluetooth device, the Bluetooth connection can be restored.
- If the Bluetooth device comes back in the effective range, you can restart to restore the pairing with the Bluetooth device.
- Air Track automatically turns off after 20 minutes in the Ready state.

To connect the Crystal Surround Air Track to a USB HOST device

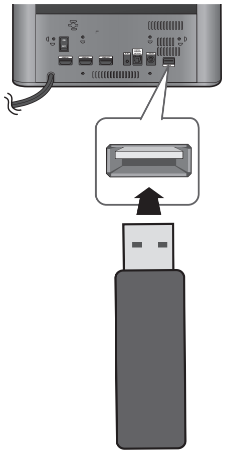
1. Connect USB device to the rear USB port of the sub woofer.

2. Press **SAT SOURCE** button repeatedly until the front display shows **USB**.

- Each time the button is pressed, the selection changes as follows :
  D.IN ➡ AUX ➡ HDMI ➡ BT ➡ USB

3. **USB** appears on the display screen and then play automatically.

- The Crystal Surround Air Track connection is complete.
- It automatically turns off (Auto Power Off) if no USB device has been connected or STOP mode for more than 20 minutes.



Before you connect a USB device

Compatibility: USB storage.

1. If the folder of file name in a USB device exceeds 10 characters, it is not displayed on the VFD.

2. This product may not be compatible with certain types of USB storage media.

3. The file systems FAT16 and FAT32 are supported.

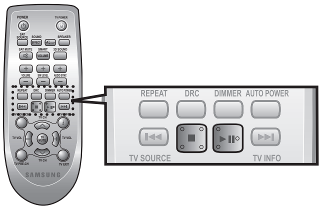
- The NTFS file system is not supported.

4. Connect a USB device directly to the USB port of the product. Otherwise, you may encounter a USB compatibility problem.

5. Do not connect multiple storage devices to the product via a multi-card reader. It may not operate properly.
6. Digital camera PTP protocols are not supported.
7. Do not remove the USB device while it is being read.
8. DRM-protected music files (MP3, WMA) from a commercial web site will not be played.
9. External HDDs are not supported.
10. Compatibility list

Format	Music	
File name	MP3	WMA
File extension	.MP3	.WMA
Bit rate	80~320 kbps	56~128 kbps
Version	-	V8
Pixel	-	-
Sampling Frequency	44.1KHz	44.1KHz

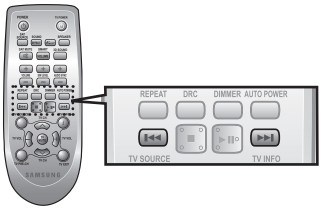
11. It is recommended to use the provided USB cable as a vibration may occur depending on the connected USB device.


REPEAT
DRC
DIMMER
AUTO POWER
TV SOURCE
TV INFO

Play/Pause/Stop (USB function)

During playback, press the ►II,■ button.

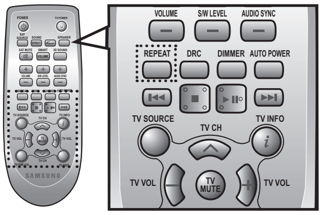
- Press the ►II button again to stop playing the file temporarily.
  Press the ►II button to play the selected file.
- To stop playback, press the Stop (■) button during playback.


REPEAT
DRC
DIMMER
AUTO POWER
TV SOURCE
TV INFO

Skip Forward/Back (USB function)

During playback, press the ⏮,⏭ button.

- When there is more than one file and you press the ⏭ button, the next file is selected.
- When there is more than one file and you press the ⏮ button, the previous file is selected.


VOLUME
S/W LEVEL
AUDIO SYNC
REPEAT
DRC
DIMMER
AUTO POWER
TV SOURCE
TV INFO
TV CH
TV VOL
TV MUTE
TV VOL

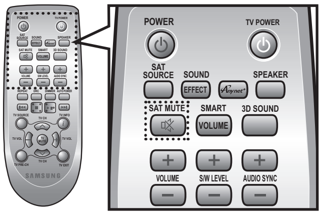
Using the REPEAT function (USB function)

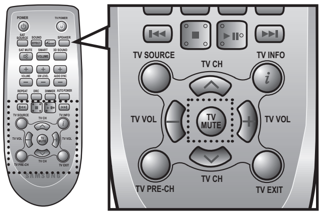
Repeat playback allows you to repeatedly play a file, repeat all, randomly play files, or turn Repeat off.

Press the **REPEAT** button.

- **REPEAT FILE** : Repeat playing a track
- **REPEAT ALL** : Repeat playing all tracks
- **REPEAT RANDOM** : Plays tracks in random order. (A track that has already been played may be played again.)
- **REPEAT OFF** : Cancels Repeat Playback.

▪ You can set the REPEAT function during playback music from USB drive.

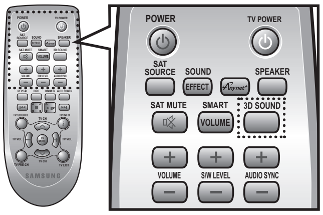

POWER
TV POWER
SAT SOURCE
SOUND EFFECT
SPEAKER
SAT MUTE
SMART VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC


TV SOURCE
TV INFO
TV CH
TV VOL
TV MUTE
TV VOL
TV CH
TV PRE-CH
TV EXIT

Muting the sound

This is useful when answering a doorbell or telephone call.

1. To mute sound of this unit, press the **SAT MUTE** (🔇) button of the remote control.
2. To mute the TV, press the **TV MUTE** button of the remote control.
3. Press **SAT MUTE** (🔇)**/ TV MUTE** on the remote control again (or press **VOLUME +/–**) to restore the sound.


POWER
TV POWER
SAT SOURCE
SOUND EFFECT
SPEAKER
SAT MUTE
SMART VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

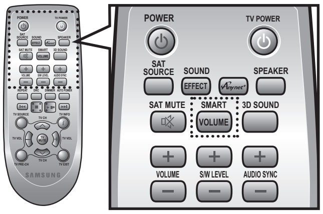
Using the 3D Depth Sound function

The 3D sound feature adds depth and spaciousness to the sound.

Press **3D SOUND** on the remote control.

- Each time the button is pressed, the selection changes as follows :
  3D SOUND LOW ➡ 3D SOUND HIGH ➡ 3D SOUND OFF

- When you turn on the 3D Depth Sound, the Sound Effect will automatically change to OFF.

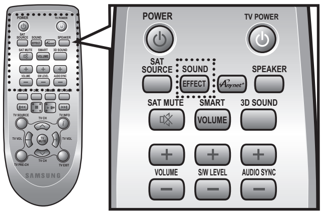

POWER
TV POWER
SAT SOURCE
SOUND EFFECT
SPEAKER
SAT MUTE
SMART VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

Using the SMART VOLUME function

This will regulate and stabilize the volume level against a drastic volume change caused by a channel change or scene transition.

Press **SMART VOLUME** on the remote control.

- Each time the button is pressed, the selection changes as follows :
  SMART VOLUME ON ➡ SMART VOLUME OFF


POWER
TV POWER
SAT SOURCE
SOUND EFFECT
SPEAKER
SAT MUTE
SMART VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

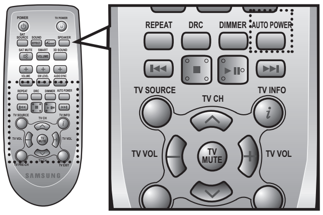
Using the Sound effect

You can select from 7 different sound modes - MUSIC, NEWS, DRAMA, CINEMA, SPORTS, GAME, and OFF (Original Sound) - depending on the type of sources you want to enjoy.

Press **SOUND EFFECT** on the remote control.

- Select **OFF** mode if you want to enjoy the original sound.

- We recommend that you select a Sound Effect based on the source material and your personal taste.
- When you choose the Sound Effect (except OFF), the 3D Depth Sound will automatically be turned OFF.


REPEAT
DRC
DIMMER
AUTO POWER
TV SOURCE
TV CH
TV INFO
TV VOL
TV MUTE
TV VOL

Using the AUTO POWER LINK function

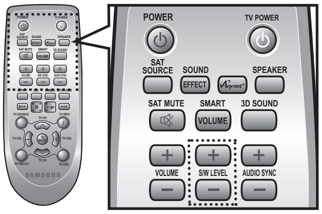
The Crystal Surround Air Track is automatically turned on when you turn on the TV or any device connected to the Air Track with the optical cable.

Press **AUTO POWER** on the remote control of this unit.

- The Auto power link function turns on and off each time you press **AUTO POWER.**

AUTO POWER LINK	Display
ON	POWER LINK ON
OFF	POWER LINK OFF

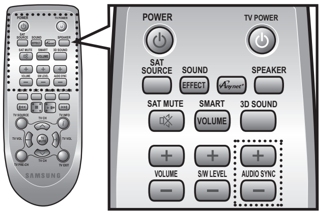
- If a TV or any device connected to Air Track with the optical cable is off and there is no digital input, the Air Track is turned off after 20 minutes.
- These functions are available only when the **Anynet+** is turned off.


POWER
TV POWER
SAT SOURCE
SOUND
EFFECT
SPEAKER
SAT MUTE
SMART
VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

Using the S/W LEVEL function

You can control the base volume with the S/W Level button on the Remote control.

1. Press the **S/W LEVEL +/–** button on the Remote control.
2. **"SW 0"** appears on the Display.
3. Press **"+"** or **"-"** button on the **LEVEL** key if you want to increase or decrease the subwoofer volume. You can set it from SW -6 to SW +6.


POWER
TV POWER
SAT SOURCE
SOUND
EFFECT
SPEAKER
SAT MUTE
SMART
VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

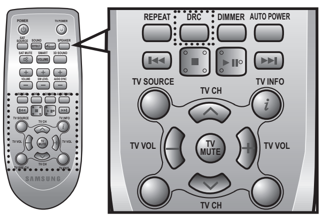
Using the AUDIO SYNC function

Video may look slower than the audio if Air Track is connected to a digital TV. If this occurs, adjust the audio delay time to match the video.

Press **AUDIO SYNC +/–**. button on the remote control of this unit.

- You can use + , - button to set the audio delay time between 0 ms and 300 ms.

- In USB mode, BT mode, the function may not work.

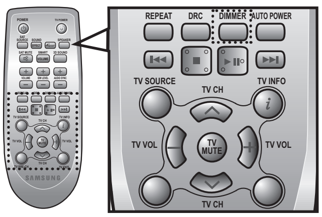

REPEAT
DRC
DIMMER
AUTO POWER
TV SOURCE
TV CH
TV INFO
TV VOL
TV MUTE
TV VOL
TV CH

Using the DRC function

This feature balances the range between the loudest and quietest sounds. You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.

Press **DRC** on the remote control of this unit.

- Each time the button is pressed, the selection changes as follows :
  DRC MAX ➡ DRC MIN ➡ DRC STANDARD


REPEAT
DRC
DIMMER
AUTO POWER
TV SOURCE
TV CH
TV INFO
TV VOL
TV MUTE
TV VOL
TV CH

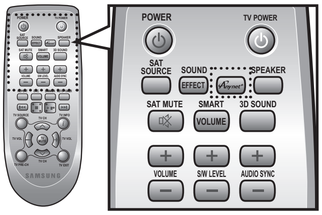
Using the DIMMER function

This feature control the brightness of the Display.

Press **DIMMER** on the remote control of this unit.

- Each time the button is pressed, the selection changes as follows :
  DIMMER ON ➡ DIMMER AUTO ➡ DIMMER OFF

- The display turns off automatically after 5 seconds if set to DIMMER AUTO.


POWER
TV POWER
SAT SOURCE
SOUND
EFFECT
SPEAKER
SAT MUTE
SMART
VOLUME
3D SOUND
VOLUME
S/W LEVEL
AUDIO SYNC

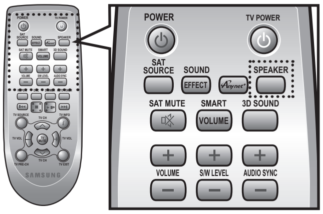
Using the Anynet+(HDMI-CEC) function

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control.

The Anynet+ function turns on and off each time you press **Anynet+**.

1. Connect the product to a Samsung TV with the HDMI cable. (See page 18)
2. Set the Anynet+ function on your TV to ON. (See the TV instruction manual for more information.)

- Depending on your TV, certain HDMI output resolutions may not work.
- Please refer to the user's manual of your TV. Please check the Anynet+ HDMI-CEC logo (If your TV has an Anynet+ HDMI-CEC logo, then it supports Anynet+ function.)

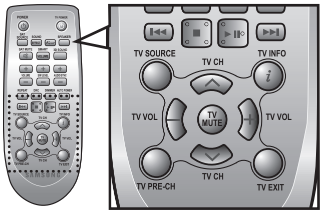


SPEAKER button

This button enables you to select between listening to audio from your TV or audio from the Air Track when connected via HDMI.

Press **SPEAKER** on the remote control of this unit.

AUDIO MODE	SPEAKER	Scroll Display	Display
HDMI IN	**TV**	TV SPEAKER	TV SPK
	Air Track	AVR SPEAKER	HDMI 1,2
ARC	**TV**	TV SPEAKER	S MUTE
	Air Track	AVR SPEAKER	TV ARC



Using the TV functions

1. Press **TV SOURCE** on the remote control of AirTrack.
2. Press **TV INFO** on the remote control to display the TV channel information.
3. Press **TV CH** on the remote control to select the TV channel.
4. Press **TV VOL** on the remote control to increase or decrease the volume level.
5. Use **TV PRE-CH** button to move to the previous TV channel in TV mode.
6. To exit the TV menu, use the **TV EXIT** button. (Functions same as the EXIT button of the TV remote control)

- The remote control can operate TVs made by SAMSUNG only.

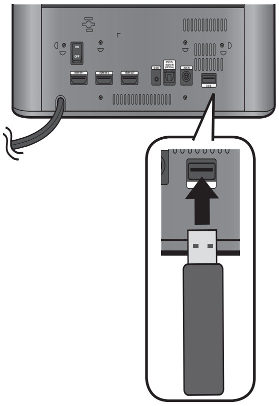
SOFTWARE UPGRADE

Samsung may offer upgrades for the Crystal Surround Air Track's system firmware in the future.

If an upgrade is offered, you can upgrade the firmware by connecting a USB drive with the firmware upgrade stored on it to the USB port on your Air Track.

Note that if there are multiple upgrade files, you must load them onto the USB drive singly and use them to upgrade the firmware one at a time.

Please visit Samsung.com or contact the Samsung call center to receive more information about downloading upgrades files.



- Insert a USB drive containing the firmware upgrade into the USB port on the back of the subwoofer.
- Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The main unit will turn off automatically after completing the firmware upgrade.
  When software is upgraded, settings you have made will return to their default (factory) settings.
  We recommend you write down your settings so that you can easily reset them after the upgrade.
- If the finrware fails to upgrade, we recommend formatting the USB data in FAT16 and trying again.
- For upgrading purposes, do not format USB drive in NTFS format because it is not a supported file system.
- Depending on the manufacturer, the USB may not be supported.

troubleshooting

Before requesting service, please check the following.

Symptom	Check	Remedy
The unit will not turn on.	• Is the power cord plugged into the outlet?	• Connect the power plug to the outlet.
A function does not work when the button is pressed.	• Is there static electricity in the air?	• Disconnect the power plug and connect it again.
Sound is not produced.	• Is the Mute function on? • Is the volume set to minimum?	• Press the Mute button to cancel the function. • Adjust the volume.
The Remote control does not work.	• Are the batteries drained? • Is the distance between remote control and main unit too far?	• Replace with new batteries. • Operate at a close distance.
The sound from the left/right channels are reversed.	• Are the left/right audio output cables from the TV connected properly?	• Check the left/right channel and connect it/them correctly.

appendix

SPECIFICATIONS

Model name	HW-E550/E551

GENERAL	Weight	Main unit	1.7 kg
		Subwoofer	7.2 kg
	Dimensions (W x H x D)	Main unit	1088 x 55 x 55 mm
		Subwoofer	290 x 290 x 380 mm
	Operating temperature range		+ 5 °C to 35 °C
	Operating humidity range		10 % to 75 %
AMPLIFIER	Rated output power	Main unit	80W/CH, 3ohm, THD = 10%, 1kHz
		Subwoofer	150W, 3ohm, THD=10%, 100Hz
	Input sensitivity/Impedance		570mV/20Kohm
	S/N ratio (analog input)		70dB
	Separation(1kHz)		65dB

FREQUENCY RESPONSE	Analog input	20Hz~20kHz(±3dB)
	Digital input/48kHz PCM	20Hz~20kHz(±3dB)

***** S/N ratio, distortion, separation and usable sensitivity are based on measurement using AES (Audio Engineering Society) guidelines.

*****: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.
- For the power supply , refer to the label attached to the product.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Area	Contact Centre ☎	Web Site
■ Asia Pacific		
AUSTRALIA	1300 362 603	www.samsung.com
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	www.samsung.com
CHINA	400-810-5858	www.samsung.com
HONG KONG	(852) 3698 4698	www.samsung.com/hk www.samsung.com/hk_en/
INDIA	1800 1100 11 3030 8282 1800 3000 8282 1800 266 8282	www.samsung.com
INDONESIA	0800-112-8888 021-5699-7777	www.samsung.com
MALAYSIA	1800-88-9999	www.samsung.com
PHILIPPINES	1-800-10-SAMSUNG(726-7864) for PLDT 1-800-3-SAMSUNG(726-7864) for Digitel 1-800-8-SAMSUNG(726-7864) for Globe 02-5805777	www.samsung.com
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com
THAILAND	1800-29-3232 02-689-3232	www.samsung.com
TAIWAN	0800-329-999 0266-026-066	www.samsung.com
VIETNAM	1 800 588 889	www.samsung.com
■ Middle East		
U.A.E	800-SAMSUNG (726-7864)	www.samsung.com
OMAN	800-SAMSUNG(726-7864)	www.samsung.com
KUWAIT	183-2255	www.samsung.com
BAHRAIN	8000-4726	www.samsung.com
Egypt	08000-726786	www.samsung.com
JORDAN	800-22273	www.samsung.com
IRAN	021-8255	www.samsung.com
Morocco	080 100 2255	www.samsung.com
Saudi Arabia	9200-21230	www.samsung.com
■ Africa		
NIGERIA	0800-726-7864	www.samsung.com
Ghana	0800-10077 0302-200077	www.samsung.com
Cote D' Ivoire	8000 0077	www.samsung.com
Senegal	800-00-0077	www.samsung.com
Cameroon	7095- 0077	www.samsung.com
KENYA	0800 724 000	www.samsung.com
UGANDA	0800 300 300	www.samsung.com
TANZANIA	0685 88 99 00	www.samsung.com
SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com

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